ABSTRACT

A peak power suppressor for facilitating realization of a desired peak factor without increasing the device scale and without degrading the use efficiency of the storage area. A clipping section (102) suppresses the peak power of the transmission signal according to the clipping coefficient (a). A filter section (103) limits the frequency band of the transmission signal the peak power of which has been suppressed. A coefficient correction signal generating section (111) detects the instantaneous input power (Pin) of the transmission signal inputted into the clipping section (102) and the instantaneous output power (Pout) outputted from the filter section (103). The coefficient correction signal generating section (111) computes the variation (Δa) of the clipping coefficient (a) from the instantaneous input and output powers (Pin, Pout). A coefficient setting section (108) changes the clipping coefficient (a) according to the computed coefficient variation (Δa).